

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

Claims 1-12 (Cancelled)

13. (Currently Amended) A method for producing an ultraphobic surface on metal, glass, ceramic or plastic or a composite of metal and plastic as support material, comprising:
intensively roughening a surface of the support material with a fluid jet containing a solid blasting agent over a long period, the blasting agent having a particle size of < 200 μm , optionally coating with an adhesion promoter layer and then providing a hydrophobic and/or oleophobic coating;

wherein said blasting agent is partially incorporated into the surface of the support material.

14. (Previously Presented) The method according to claim 13, wherein the coating is an oleophobic coating.

15. (Previously Presented) The method according to claim 13, wherein the blasting agent has a particle size of < 130 μm .

16. (Previously Presented) The method according to claim 13, wherein the blasting agent is a metal oxide.

17. (Previously Presented) The method according to claim 13, wherein the blasting agent is corundum.

18. (Previously Presented) The method according to claim 13, wherein the blasting agent is crude corundum with sharp-edged particles.

19. (Previously Presented) The method according to claim 13, wherein the surface of the support material is roughened using a fluid jet at a blasting pressure of from 3 to 7 bar and at a distance from the die head to the surface of from 1 to 3 cm.

20. (Previously Presented) The method according to claim 13, wherein the treatment time of the roughening is from about 0.1 to 10 min/cm².

21. (Previously Presented) The method according to claim 13, wherein, after the roughening, the surface is coated with a thin layer of noble metal as adhesion promoter layer.

22. (Previously Presented) The method according to claim 13, wherein, after the roughening, the surface is coated with a thin layer of gold as adhesion promoter layer.

23. (Previously Presented) The method according to claim 13, wherein, after the roughening, the surface is coated with a thin layer of noble metal as adhesion promoter layer by precipitation of a 10 to 100 nm thick layer.

24. (Previously Presented) An ultraphobic surface obtained by a method according to claim 13.

25. (Previously Presented) A material or construction material having an ultraphobic surface obtained by a method according to claim 13.

26. (Previously Presented) A method of reducing friction comprising lining vehicle bodies, aircraft fuselages or hulls of ships with an ultraphobic surface obtained by a method according to claim 13.

27. (Previously Presented) A method to produce self cleaning ultraphobic surfaces comprising coating building structures, roofs, windows, ceramic construction material with ultraphobic surfaces obtained according to claim 13.

28. (Previously Presented) A method for rust protection comprising coating metal objects with an ultraphobic surface obtained by a method according to claim 13.

29. (Previously Presented) A method to produce a self-cleaning ultraphobic surface comprising topcoating transparent sheets with an ultraphobic surface obtained by a method according to claim 13.

30. (Previously Presented) A method to produce a self-cleaning ultraphobic surface comprising topcoating transparent glass and plastic sheets with an ultraphobic surface obtained by a method according to claim 13.

31. (Previously Presented) A method to produce a self-cleaning ultraphobic surface comprising topcoating transparent sheets for solar cells, vehicles or greenhouses with an ultraphobic surface obtained by a method according to claim 13.

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BASIS FOR THE AMENDMENT

Claim 13 has been amended as supported at page 3, lines 5-7.

No new matter is believed to have been added by entry of this amendment. Entry and favorable reconsideration are respectfully requested.

Upon entry of this amendment Claims 13-31 will now be active in this application.